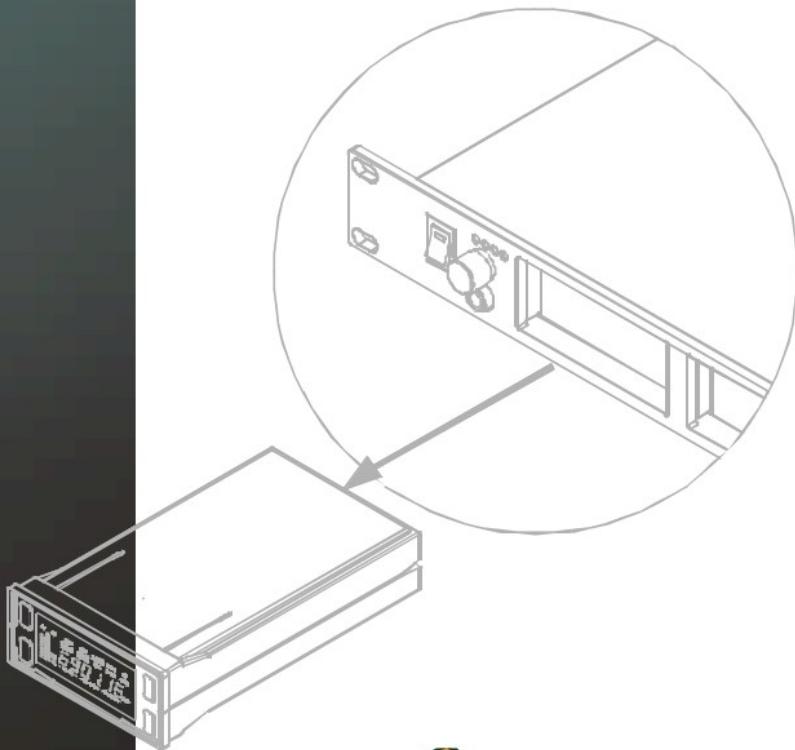


# LCD DISPLAY WIRELESS RECEIVER MODULE

# ACT-707 MB/MC

## Instruction Manual



# MIPRO

**interstage**

Phistersvej 31, 2900 Hellerup, Danmark  
Telefon 3946 0000, fax 3946 0040  
[www.interstage.dk](http://www.interstage.dk)

- pro audio with a smile



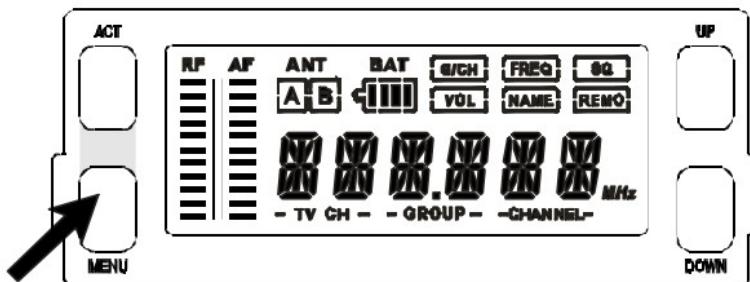
# LCD DISPLAY WIRELESSRECEIVER MODULE

Thank you for choosing MIPRO's ACT-707 MB/MC (LCD Display Wireless Receiver Module). To bring the maximum performance out of the system and know the system better, please take user's time and read this instruction thoroughly.

The display panel is a modularized mono-colored LCD display that can display various information of operation and perform ACT feature.

This system includes the following accessories:  
Instruction Manual × 1

## 1. Full Display of LCD Screen and Locations of buttons



# LCD DISPLAY WIRELESS RECEIVER MODULE

## 2. Designations of buttons and Functions

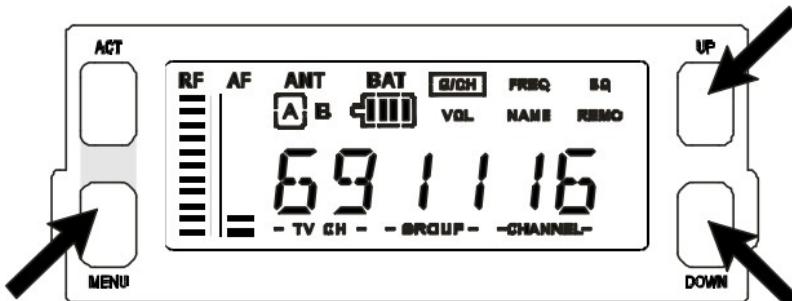
**MENU:** Enable user to select from one function to the other

"MENU" button allows user to select among 6 options (in the sequence showing below) that each is surrounded in a square frame and shown on the upper half of LCD display.

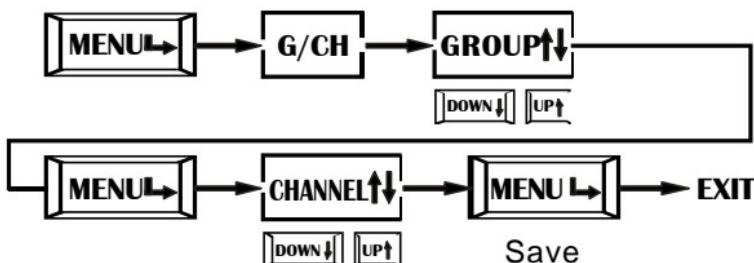
Detail functions and operations are as follows.

<b>G/CH</b>	<b>FREQ</b>	<b>SQ</b>	<b>VOL</b>	<b>NAME</b>	<b>REMO</b>

- (1) **G/CH:** Indicates or sets the receiver GROUP and CHANNEL.



### A. Operating Procedures.



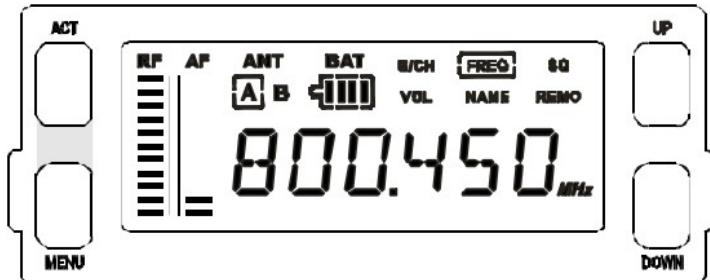
### B. How to Operate?

- In the lower row of LCD display, TV CHANNEL, GROUP, and CHANNEL are separately shown in dual-digit numbers (from left to right).
- Push "UP" or "DOWN" button once and the number above "GROUP" will start blinking. Push "UP" or "DOWN" button now will permit user to change to another pre-programmed group. Push "MENU" button to confirm the modification and group number will stop blinking.

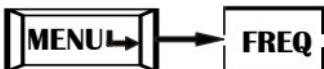
# LCD DISPLAY WIRELESS RECEIVER MODULE

- c. Repeat the same process as above for "CHANNEL" and verify the modification by pushing "MENU" button and channel number will stop blinking.

(2) FREQ: Indicates the frequency that is currently in use.



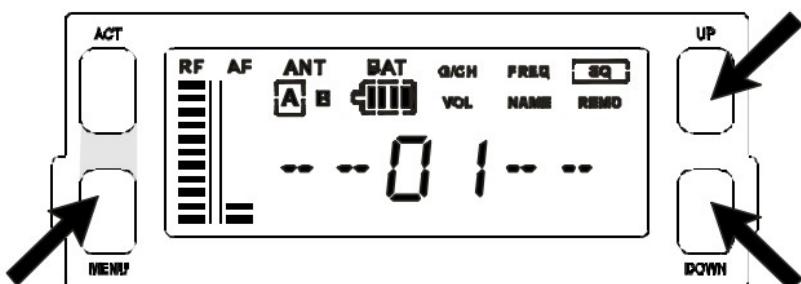
## A. Operating Procedures.



## B. How to Operate?

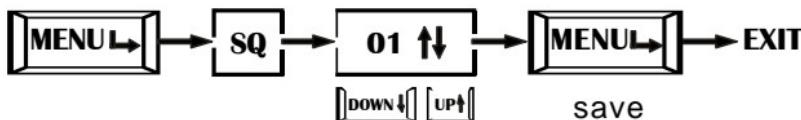
- a. After push "MENU" button and select the "FREQ" frame, it will show the frequency that is set under the GROUP and CHANNEL that one had selected previously.
- b. This function cannot be used for frequency alternation.

(3) SQ: Indicates or setups the Squelch level.



# LCD DISPLAY WIRELESS RECEIVER MODULE

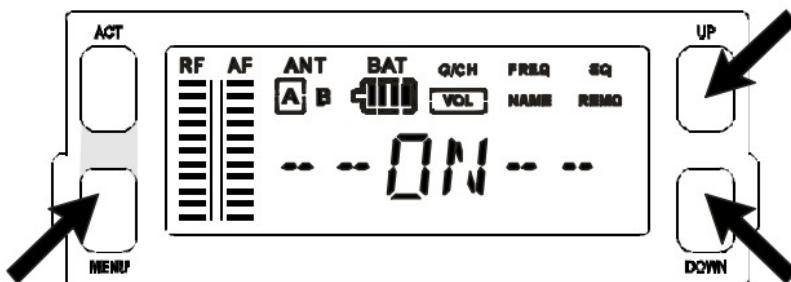
## A. Operating Procedures.



## B. How to Operate?

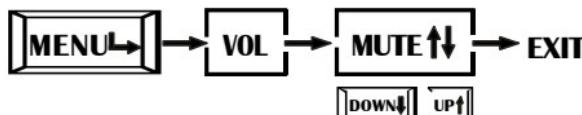
- User can set the squelch level within the range of 01-99.
- To set the squelch level, simply by pushing the "UP" or "DOWN" button and confirm the modification by pushing "MENU" button.

(4) VOL: Indicates Volume Level is at On or Mute position.



## Switching From Audible To Mute

## A. Operating Procedures.



## B. How to Operate?

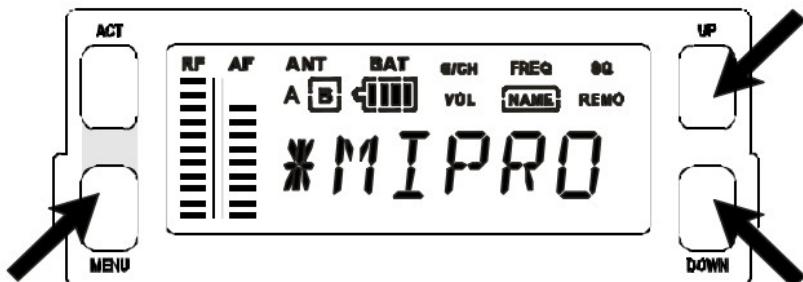
Push "UP" or "DOWN" Button allows one to switch volume to "ON" or "Mute" status.

# LCD DISPLAY WIRELESS RECEIVER MODULE

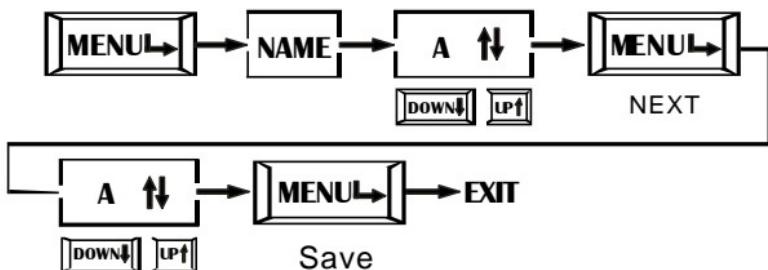
## C. CAUTIONS :

AF bar and Ant.A,B of LCD panel will not be displayed when the receiver module is at Mute status. To ascertain if receiver is at Mute status, press Menu key, select Volume. If LCD indicates "Mute" it is a Mute status. If LCD indicates "On" audio is operating normally.

- (5) NAME: Indicates or setupsthe name of current channel user.



### A. Operating Procedures.

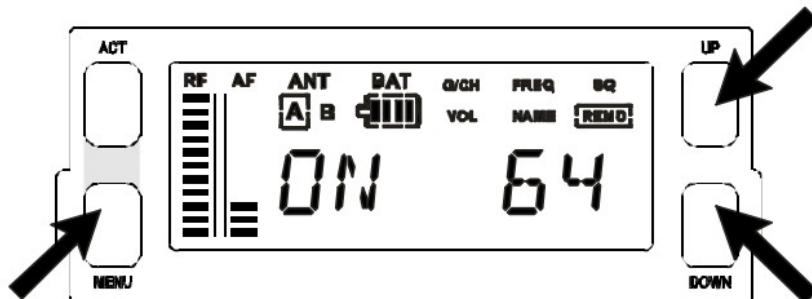


### B. How to Operate?

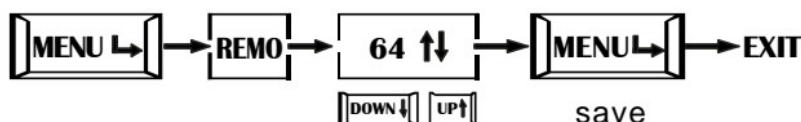
- Maximum 6 characters are allowed (Select from capitalized English letter, numbers, + - x / , and space).
- Push "UP" or "DOWN" button into setup mode and the character on the far left will start blinking. (There will be no blinking if there is no character in the specific space).
- Push "UP" or "DOWN" button to select desired character and confirm by pushing the "MENU" button. Once confirmed, the next character will start blinking and ready for setup.
- Repeat step c until ALL 6 characters are set.

# LCD DISPLAY WIRELESSRECEIVER MODULE

- (6) REMO: Indicates or setup the receiver address and status of remote controlling.



## A. Operating Procedures.

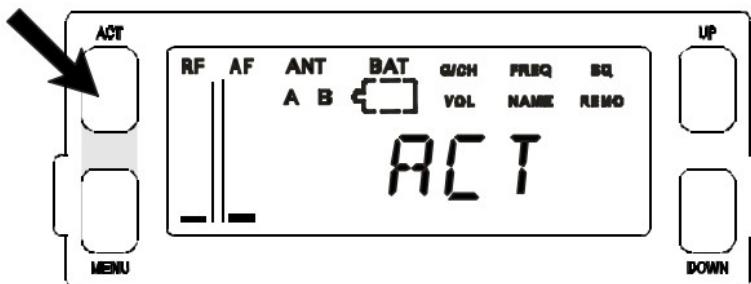


## B. How to Operate?

- ACT-BUS interface is adapted for MIPRO Wireless Receiver Module. With MIPRO Interface Converter and Monitoring Software, up to 64 receiver modules can be remote-controlled simultaneously via a PC.
- Address can be set within the range of 01-64. Under remote control mode, each receiver module MUST have its own address. If 2 different receiver modules are using the same address, it will cause confliction and result in monitoring error. However, if not under remote control mode, operation will remain normal even if 2 different receiver modules are using the same address.
- In remote control mode, "ON" will be shown in the LCD display panel and the number next to the message is the address of the receiver module. However, "OFF" will be shown if the system is not remotely linked to the PC.
- Push "UP" or "DOWN" button to change receiver address and verify by pushing the "MENU" button.

# LCD DISPLAY WIRELESS RECEIVER MODULE

## *Operation of ACT Feature:*

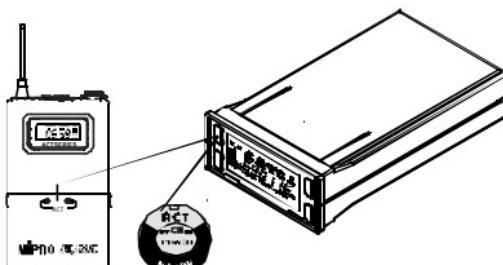


### **A. Operating Procedures.**



### **B. How to Operate?**

- a. At LCD panel displays "Group" and "Channel" mode keystroke "ACT" button . ACT mode is activated when "ACT" word appears on the LCD panel.
- b. Position the "ACT" marking of the transmitter about 30cm ( 12-inch) towards the "ACT" button on the receiver. (see below figure)
- c. ACT function will release automatically once the transmitter channel is locked on. Simultaneously, "Group" and "Channel" mode will be back showing on the LCD panel. Both transmitter and receiver should show the same "Group" and "Channel". This indicates transmitter frequency set-up is successful. If unsuccessful, repeat step "A".



**NOTE :**

## **NOTE :**

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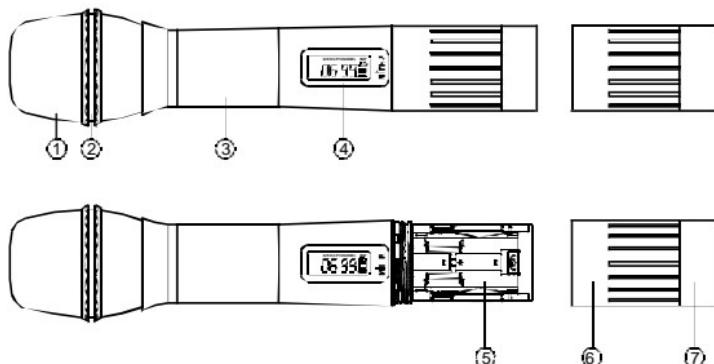
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# HANDHELD WIRELESS MICROPHONE

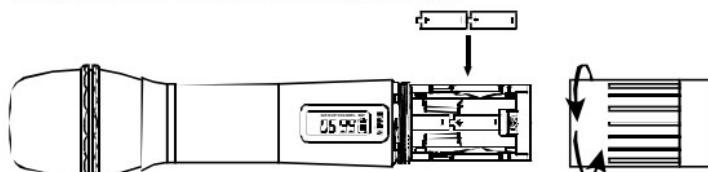
## 1. PARTS NAME AND FUNCTIONS



(Fig.1)

1. Grille: Protects cartridge, prevents "POP" noise and prevents microphone from rolling with polygonal shape.
2. Color Ring: For frequency differentiation.
3. Housing: Upper portion to be connected to capsule module and battery. Internally, it holds transmitter PCB.
4. Functions of LCD Display
5. Battery Compartment: Designed to accommodate two 1.5V(AA) batteries.
6. Battery Cap: Covers battery in the battery compartment.
7. Anti-roll Ring: For frequency differentiation.

## 2. BATTERY INSTALLATIONS



(Fig.2)

1. Unscrew battery cap in a counter-clockwise direction (6).
2. Insert two 1.5V(AA) batteries into the battery compartment according to the correct polarity as shown in Fig.2. The moment the battery touches the terminals, the indicator will flash briefly (6).

# HANDHELD WIRELESS MICROPHONE

## 3. FUNCTIONS OF LCD DISPLAY



1. **ERR Message:** When "ERR" appears, it means "Error with the system". Please refer to the following codes to diagnose which error you are experiencing.

ERR no01 EEPROM is not being programmed or internal data error.

ERR no02 Testing only.

ERR no03 The frequency you are about to program into the system exceeds microphone's upper limit. (At this time, microphone is still operable and the frequency remains unchanged. To clear to "ERR" message in LCD display, simply turns off the power and switch back on.)

ERR no04 The frequency you are about to program into the system is below microphone's frequency lower limit. (At this time, microphone is still operable and the frequency remains unchanged. To clear to "ERR" message in LCD display, simply turns off the power and switch back on.)

2. "Group" & "Channel" : When both items are shown, they indicate that the user is currently using the pre-programmed frequency in the receiver.
3. "Channel" Only : If "Channel" is the only item shown in the display, it indicates the user is using the personalized frequency. (Such frequency can only be programmed via MIPRO's ACT Software and available for ACT-707B and ACT-707C only.)

# HANDHELD WIRELESS MICROPHONE

## 4. Battery Status:



**100%**



**80%**



**40%**



**10%**



**0%**

**Battery Status:** When the battery has less than 10% power remaining, LED indicator will light up to remind you to replace the battery. If undervoltage, LCD will show "PoFF" and shut down the system to avoid battery being over-discharged.

## 5. Switch Off:

When switch the power knob to "Off" position, LCD will show "PoFF" first. Then, the system is completely shut down and no further message will be displayed.

## **NOTE :**

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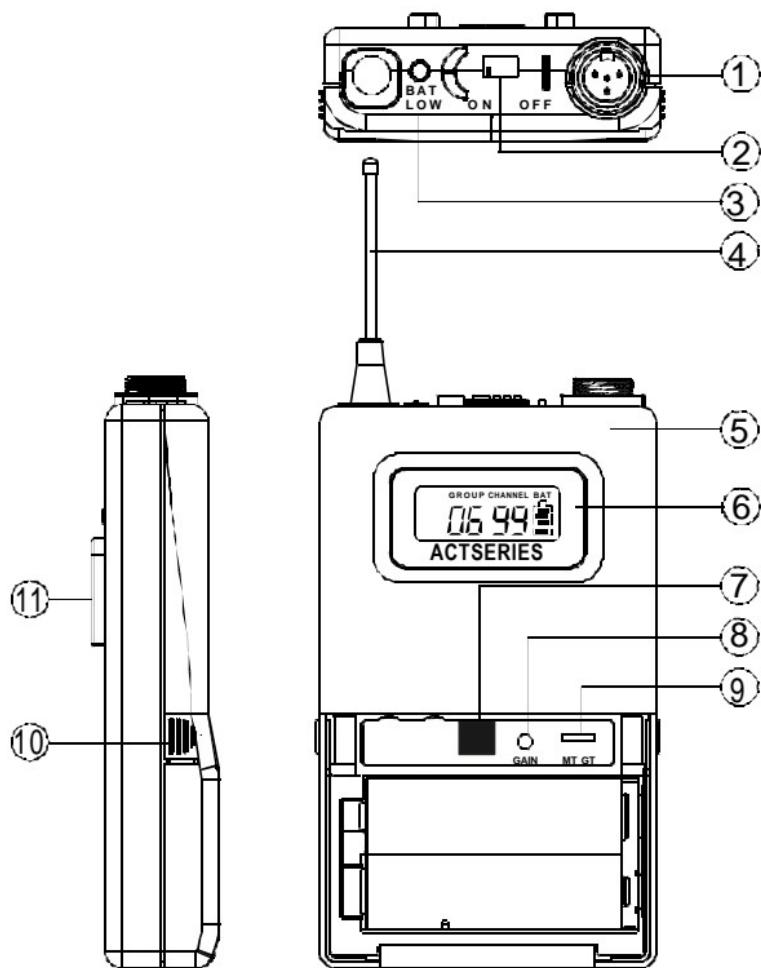
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# BELT PACK TRANSMITTER

## 1. PARTS NAME AND FUNCTIONS

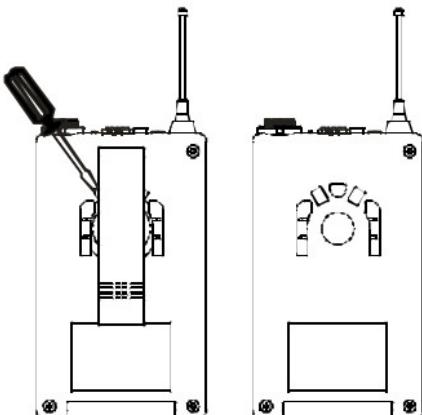


(Fig.1)

1. AF Input Jack: Connects to either lavalier or headset microphone. (See 5 ways of connection on AF Input Connections)
2. Power Switch: Switch to ON position for operation. Switch to OFF position when not in use.

# BELT PACK TRANSMITTER

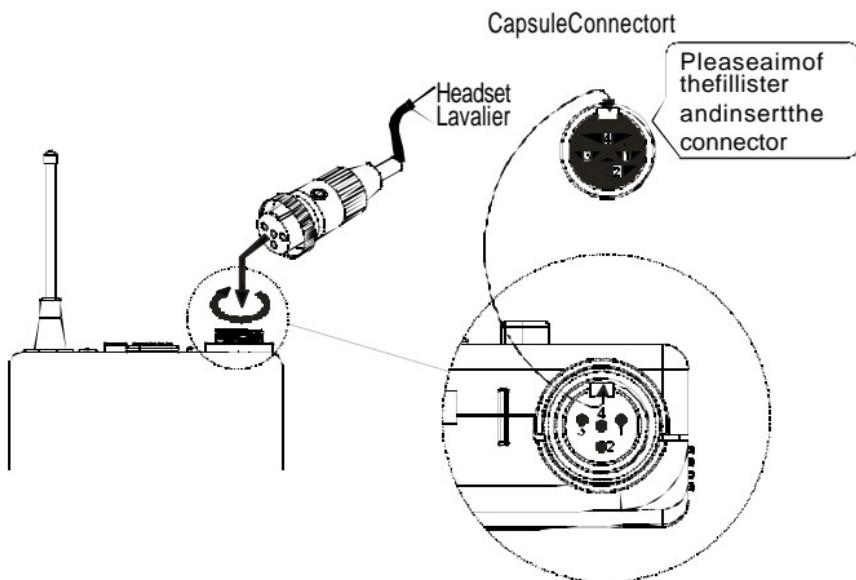
3. Battery Status Indicator: Indicates the power on / off and battery status.
  - (a) When power switch is turned on: The LED indicator flashes briefly, indicating normal battery status.
  - (b) When RED light illuminates at either power on or during usage: The battery level is low, therefore, a new battery replacement is thus necessary.
4. Transmitting Antenna: 1/ 4 transmitting antenna.
5. Transmitter Housing: Packages the PCB and battery.
6. Functions of LCD Display
7. Act Signal Receptor
8. Gain Control: Adjusts the desirous input gain.
9. GT/MT Level Select Switch: Switch GT position for electric guitar usage and "Line In". Gain Control is irrelevant for "GT". Switch to "MT" for condenser microphone or wired microphone. Gain Control works in "MT" for input sensitivity adjusting.
10. Battery Compartment and Cover: Accommodates two 1.5V(AA) batteries.
11. Detachable Belt Clip: Allows 360 degrees rotating to suit transmitting angles. To detach simply use a screwdriver at a 45 degree angle to unfasten. see diagram.



# BELT PACK TRANSMITTER

## 2. OPERATING INSTRUCTIONS

1. To adjust GT/MT Switch (10), and Gain Control (8), simply push down both snap locks on the sides of battery cover and flip it backwards to expose the adjustment panel.
2. Before power on, ascertain if same channel (7) was set up for both receiver and microphone. If not adjust to same channel accordingly.
3. The LED indicator flashes briefly when power on indicating normal battery status. If no flash occurs it has either no battery, the battery is drained or installed incorrectly. Change accordingly.
4. Plug the microphone connector into the input jack (1) and tighten the connector screw by clockwise direction as shown in (Fig. 2).

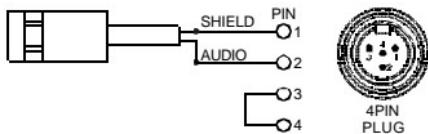


(Fig.2)

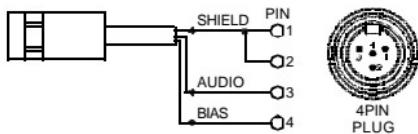
# BELT PACK TRANSMITTER

## 3. AF INPUT CONNECTIONS

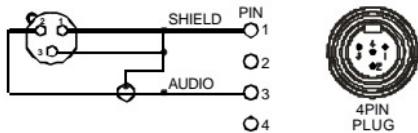
### (1) 2-Wire Electret condenser microphone Capsule



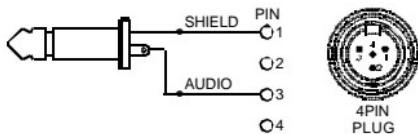
### (2) 3-Wire Electret condenser microphone Capsule



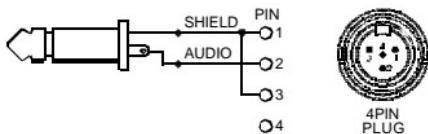
### (3) Dynamic Microphone



### (4) Electric Guitar



### (5) Line-in (Impedance 8K ATT. 10dB)



# BELT PACK TRANSMITTER

## 4. FUNCTIONS OF LCD DISPLAY



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ERR no04 The frequency you are about to program into the system is below microphone's frequency lower limit. (At this time, microphone is still operable and the frequency remains unchanged. To clear to "ERR" message in LCD display, simply turns off the power and switch back on.)

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# BELT PACK TRANSMITTER

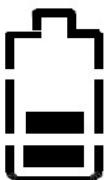
## 4. Battery Status:



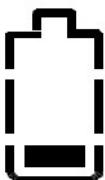
100%



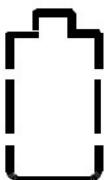
80%



40%



10%



0%

**Battery Status:** When the battery has less than 10% power remaining, LED indicator will light up to remind you to replace the battery. If undervoltage, LCD will show "PoFF" and shut down the system to avoid battery being over-discharged.

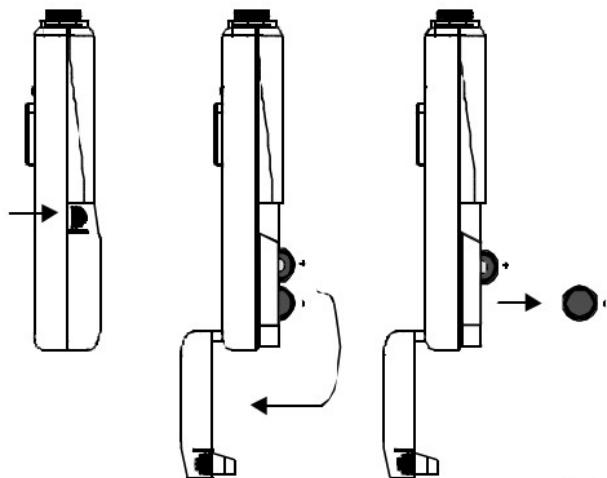
## 5. Switch Off:

When switch the power knob to "Off" position, LCD will show "PoFF" first. Then, the system is completely shut down and no further message will be displayed.

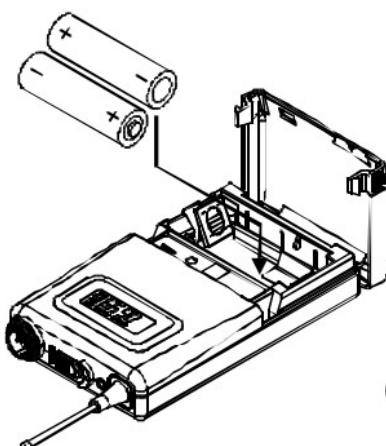
# BELT PACK TRANSMITTER

## 5. BATTERY INSTALLATION

1. Pushing down both snap locks on the sides of battery cover to open battery cover. Take out the batteries. Fig.(2).
2. Insert a two 1.5(AA) batteries into the battery compartment according to the correct polarity as shown in Fig. (3). Then push up to close the battery compartment as shown in Fig. (3).



(Fig.2)



(Fig.3)

# MIPRO Electronics Co., Ltd.

Head office: 814, Pei-Kang Road, Chiayi, 600, Taiwan.

Taipei office: 5, Lane 118, Sung-teh Road, Taipei, 110, Taiwan.

Web-<http://www.mipro.com.tw> E-mail: [mipro@mipro.com.tw](mailto:mipro@mipro.com.tw)



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(B)

**interstage**

Phistersvej 31, 2900 Hellerup, Denmark

Telefon 3946 0000, fax 3946 0040

[www.interstage.dk](http://www.interstage.dk)

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